

Applicant: William R. Bennett et al.
Application No.: 09/804,012
Filing Date: March 12, 2001
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SPECIFICATION AMENDMENTS

Please replace the original paragraph beginning on page 9, line 20, with the following amended paragraph:

In general, it is preferred that anode cups according to the present invention have a vertical height K at least two times the cup height C at ~~lower upper~~ external diameter D_A . It is also preferable that the total height M is 0.178 inch or greater, though the maximum will be limited by the ability to form anode cups. Preferably total height M is greater than or equal to about two times height C. Preferred anode cups have a ratio of total height M to a vertical midpoint of the step that is greater than three to one.

Please replace the original paragraph beginning on page 10, line 19, with the following amended paragraph:

In FIG. 4, cell 20 includes an anode cup 1, a cathode can 10, and a gasket 9 disposed in relation to each other. The anode cup 1 comprises an upper end 2, a lower open end 3 and side wall 4 extending between the upper and lower ends. A step is defined along the side walls and is defined by a first cup radius and a second cup radius, the first cup radius being closer to the lower open end of the cup and the second cup radius being closer to the upper end of the ~~cathode anode~~ cup. The cathode can side wall is formed into a can closing radius 16 that is greater than the first radius 6 defining the anode cup step. In Example 1, the first cup radius 6 has a value of 0.033 inch, while the can closing radius 16 has a value of 0.060 inch. The closing radius 16 is larger than radius 6 so that the gasket 9 has maximum compression at about 6B on anode cup 1. At locations above point 6B, the seal 9 is compressed to a lesser degree as compared to the compression experienced at point 6B.

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Please replace the original paragraph beginning on page 11, line 18, with the following amended paragraph:

Example 2 is another embodiment of the present invention illustrated in FIGS. 3 and 4. The dimensions of anode cup 1 and electrochemical cell 20 according to Example 2 are also summarized in Table 2 I. The electrochemical cell 20 of Example 2 has a total cell height N, measured from a bottom surface of the lower can end to a top surface of the upper ear cup end, of about 0.161 inch and a can height O, measured from a bottom surface of the lower can end to a top edge of the can, of about 0.116 inch. Accordingly, the difference of total cell height N minus can height O is about 0.045 inch, and the height ratio N/O is about 1.39.